Engineer: Chris Samios	Date: 5/22/03	Raytheon					
Drawn: Ken Wade	Date: 5/22/03	JPS Communications 5800 Departure Drive, Raleigh, NC 27616					
Approved: CTS	Date: 9/10/03	Title: ACU RADIO APPLICATION NOTES					
Issued/ Revised	Date: 3/24/04	Size:	Dwg. #: <b>5961-271240-APP</b>	Rev:	Sheet:	Of	1

**APPLIES TO:** Q-MAC HF-90 Portable Radio

None required. **RADIO MODIFICATIONS:** 

None required. **RADIO PROGRAMMING:** 

## **RADIO CONTROLS:**

Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module 1. flashes with receive audio.

## **CABLING:**

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291240	(5961-271240 + 5961-261002-00)
ACU-T Interface Cable	JPS P/N 5961-281240	(5961-271240 + 5961-281013-00)

JPS P/N 5961-271240 TRP-1000 Shelf Interface Cable

Radio RF Connector Type BNC

## **DSP PROGRAMMING:**

RX Level	3*	0dBm*
TX Level	4	-8dBm
Squelch Type	VMR	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others	As needed	

(\* Indicates Default Value)

## **NOTES:**





